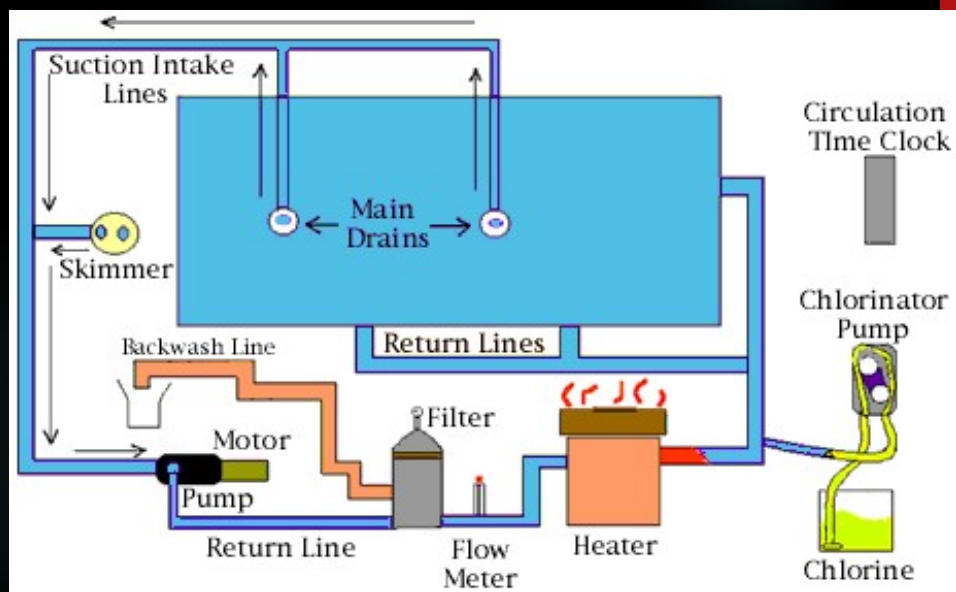
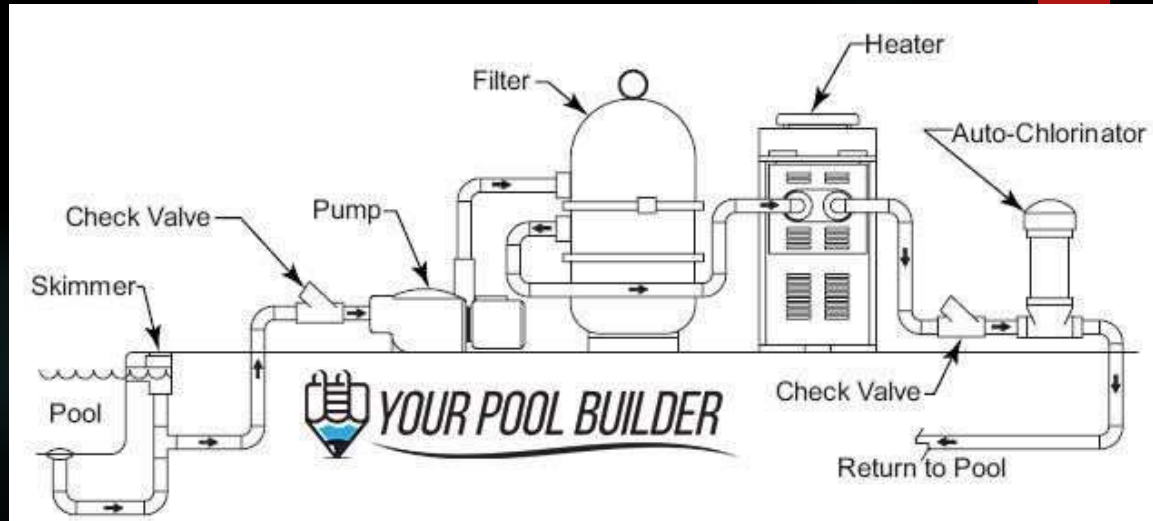


Pool Equipment







.2518 Circulation equipment

- Piping and valves
- Vacuum
- Flow meter
- Pumps
- Inlets
- Drains
- Surface overflow systems
- Recessed surface skimmer

Recessed surface skimmers



Piping and Valves

- Skimmers and main drain piping sized to handle 100% of the **design** flow rate
- Schedule 40 PVC or better
- Sized according to chart – Make sure to use chart for the type of pipe, suction sizing is different from return

Vacuum

- Vacuum system is required – Can be dedicated line or thru skimmer for smaller pools



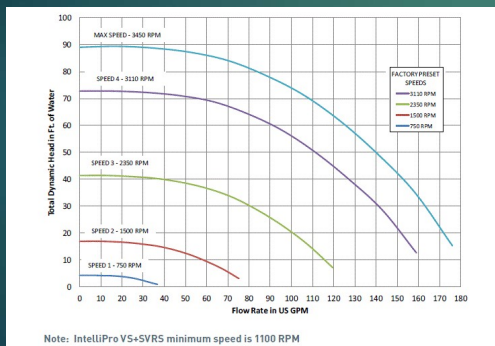
Flow Meter

Installed on filtered water line
Capable of handling 1 ½ times the design flow rate
10% accurate of true flow
Installed according to manufacturers instructions



Pumps

3 hp or smaller must be NSF Standard 50
Sizing based on assumed 65 feet of total
dynamic head



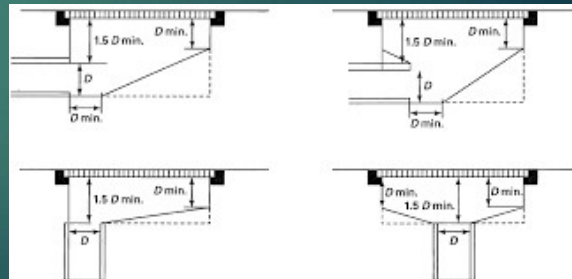
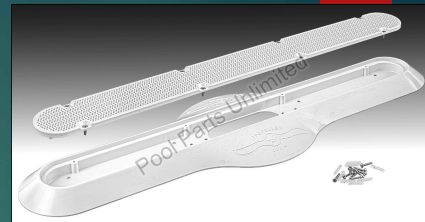
Inlets

Provide uniform circulation of water
1 inlet per 20 gpm of return water flow
Minimum of 4 in any pool
No more than 25 feet horizontal separation
Adjustable



Drains .2518 and .2539

2 main drains or unblockable, or none at all!
 Separated by at least 3 foot on center
 Comply with safety standards for construction and entrapment



Pool Filters

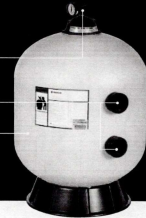


TRITON® II FIBERGLASS SAND FILTER

Easy access, heavy-duty closure with built-in pressure relief valve makes inspection and maintenance fast, safer and easy

Threaded bulkhead connectors for easy installation and service

Glasiok® process creates a one-piece, fiberglass-reinforced tank with UV-resistant surface finish for years of unequalled strength and durability



Model Number	Filter Area Sq. Ft.	Vertical* Clearance	Filter Diameter	Required Sand (lbs)	Flow Rate GPM	Turnover Capacity-Res. (Gallons)
TR 40	1.92	32.5"	19"	175	38	18,240
TR 50	2.44	36.75"	21"	225	49	23,520
TR 60	3.14	37.5"	24"	325	63	30,240
TR 100	6.91	41.75"	30"	600	98	47,040
TR 140	7.06	47.25"	36"	925	141	67,680

*Use standard #30 silica sand.
*Required clearance to remove the filter.
**Maximum flow rate. Flow rate is based on 20 GPM per sq. ft. of filter area.
Actual system flow will depend on plumbing size and other system components.

AVAILABLE FROM:

For more information on Pentair products and services, visit us online at www.pentairpool.com or call 1-800-831-7130. Pentair is a leading provider of pool and spa equipment, including pumps, filters, heaters, heat pumps, automation, lighting, cleaners, sanitizers, water features, and maintenance products. Pentair is committed to providing the highest quality products and services to our customers.



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.2521 Ladders, Recessed Steps, and Stairs

- Pools deeper than two feet require stairs in shallow end
- Recessed steps or ladder required in deep end
- Pools greater than 30 feet wide, require 2 sets in deep end
- Every 75 feet along shallow area perimeter
- Stairs have strict dimensional requirements for safety
 - Must have a handrail
 - Contrasting color bands
 - Slip resistant

.2522 Decks

- Requirements change based on type and size of pool
- Five feet of clear walking space behind diving board, handrail, etc.
- Sloped to drain
- Slip resistant and impervious
- ADA accommodations take precedence over our rules
- No more than nine inches from deck to water surface

.2523 Depth Markings and Safety Ropes

- Required on deck and sidewall at maximum and minimum depth, transition points, at diving area when present and both ends of the pool
- No more than 25 feet between markers, measured along pool perimeter
- Numbers at least 4 inches high, including "feet" or "ft"
- No Diving in 4-inch letters or universal symbol in all areas less than 5 feet
- No more than 25 feet between markings
- Minimum $\frac{3}{4}$ inch rope at transition point 5 feet or less with colored floats no more than 5 feet apart over the contrasting color band
- Ropes must be within 2 feet of transition depth marker in shallow side of the pool

.2524 Lighting and Ventilation

- Artificial lighting must be provided if the pool operates at night (verified by sight visit)
- Fixtures cannot create hazards
- Sufficient to illuminate the floor of the pool at all times the pool is in use
- Calculate lighting shown on plans
- Do not apply foot candle requirement (Changed by SL 2017-209)
- Mechanical ventilation is required for indoor pools

.2526 Dressing and Sanitary Facilities

- Shall be provided EXCEPT hotels, motels, condos, apartments. IF THE FARTHEST UNIT IS MORE THAN 300 FEET FROM THE POOL MEASURED ALONG WALKWAYS, a toilet and lavatory shall be provided
- Designed to be cleaned with broom and hose
- Floor continuous and slip resistant
- Number of fixtures based on pool size
- Showers required
- Hot water heater inaccessible
- Non-glass soap dispenser
- If used, shatterproof mirrors

.2528 Fences

- New construction must meet all fencing and gate requirements
- If used, audible alarm must be 85 decibels (per building code)
- Request cut sheets for fencing dimensions
- Make sure fence location is shown on plans
- If there are other amenities in the fenced area such as grills, bar area, laundry room, state in letter that a year-round permit is required for access to those amenities

.2530 Safety Provisions

- Make sure plans have the correct description and number of units of lifesaving equipment listed or address in letter
- Check for correct sign wording
- Telephone location and description. Cannot use cell phone or cordless phone.
- May use Kings 3

.2533 Equipment Room

- Weatherproof structure
- Ceiling height 7 feet
- Lighting
- Accessibility to valves and other control devices
- Drainage
- Natural or mechanical ventilation
- Permanently accessible
- Hose bib with back flow prevention device

.2534 Chemical Storage Room

- Dry, weatherproof, 7-foot ceiling height
- Separate room, properly sized
- Natural or mechanical ventilation
- Dry storage for chemicals
- lighting



Questions?